

Title (en)  
CONTROL UNITS AND COMMUNICATION METHOD FOR A PON NETWORK

Title (de)  
STEUERVORRICHTUNGEN UND KOMMUNIKATIONSVERFAHREN FUR EIN PON NETZWERK

Title (fr)  
APPAREILS DE COMMANDE ET PROCÉDÉ DE COMMUNICATION POUR UN RESEAU PON

Publication  
**EP 2451123 B1 20150805 (EN)**

Application  
**EP 11768839 A 20110412**

Priority  
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Abstract (en)  
[origin: EP2451123A1] An optical communication system that connects a plurality of user-side optical line terminating apparatuses (hereinafter referred to as ONUs) to a station-side optical line terminating apparatus (hereinafter referred to as OLT) using a common optical fiber, wherein the ONU as at least a part of the ONUs includes a transceiver having a power saving function for inactivating a transmitting unit while supplying electric power to a receiving unit and a control apparatus that transmits support information of the power saving function to the OLT via the transceiver, and the OLT includes a control apparatus that generates transmission allowance information of upstream communication based on the support information of the power saving function and a transceiver that receives the support information of the power saving function and transmits the transmission allowance information to the ONU.

IPC 8 full level  
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CN 104683887 A 20150603; CN 104683887 B 20181102; EP 2955932 A1 20151216; EP 2955932 B1 20210526; JP 2011223437 A 20111104;  
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US 201314095962 A 20131203; ZA 201200204 A 20120110